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1924

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EXPERIMENT STATION PROJECTS OF APPLICATION TO HOME ECONOMICS

This list of State experiment station projects relating to various phases of home economics research, including (1) food and nutrition, (2) clothing and textiles, (3) economic and social, and (4) household equipment, has been compiled from the 1924 reports of the station directors to the Office of Experiment Stations. It does not include projects completed at the time of these reports or begun later, nor projects under investigation in the home economics departments of the land-grant colleges carried on independently of the Experiment Stations.

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EXPERIMENT STATION FILE

Station	Station department conducting the research	Phase of home economics concerned	Title of project
Alabama	: Animal Industry	: Food and nutrition	: The vitamin content of certain : nuts.
	: Agricultural	: Household equipment	: Requirement for farm refrigera- : tion outfits.
	: Engineering	:	: Temperature and impact require- : ments of dish washing machines.
	:	:	:
Arkansas	: Agricultural	: Food and nutrition	: Dietary requirements for reproduc- : tion.
	: Chemistry	:	: Cause of inadequacy of milk pro- : teins for reproduction.
	:	:	: Iron content of certain foods.
	:	:	:
California	: Dairy Industry	: Food and nutrition	: Fruit in ice cream.
	: and Fruit	:	:
	: Products	:	:
	: Nutrition	: Food and nutrition	: Study of California foods and : food products with respect to : content of vitamin C.
	:	:	:
	: Pomology	: Food and nutrition	: Storage of fruits at low tempera- : tures for preserving, canning, : and soda fountain use.
	:	:	:
	: Rural Institu- : tions	: Economic and social	: Study of economic and farming con- : ditions in irrigated districts.
	: Viticulture	: Food and nutrition	: Glacé fruit; miscellaneous fruit : juices; grape sirup; packing dried : fruit; moisture loss in dried : fruit; preparation of merchant- : able products from surplus fruits; : use of fruits in ice cream.
	: and Fruit	:	:
	: Products	:	:
	:	:	:
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Colorado	: Bacteriology	: Food and nutrition	: Heat-resisting bacteria in fresh : and canned vegetables.
	: Economics	: Economic and social	: Rural life studies.
	: Home Economics	: Food and nutrition	: Cooking quality of Colorado pota- : toes.
	:	:	: Bread-making qualities of Colo- : rado flour.
	:	:	:
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Station	Station : department : conducting : the research	Phase of : home economics : concerned	Title of project
Connecticut (State)	: Analytical : Chemistry : Biochemistry	: Food and nutrition : Food and nutrition	: Analyses of diabetic foods. : : Protein research and nutrition : studies: : (1) Proteins of green plants. : (2) Relation of chemical consti- : tution of diet to the de- : velopment of rickets. : (3) Studies of the relation of : vitamins to nutrition. : (4) Part played by proteins, car- : bohydrates and fats in : nutrition. : (5) Effect on the eye of defi- : ciency in fat-soluble vitamins. : (6) Effect of diet on fertility. : (7) Relation of chemical structure : of the proteins to their : nutritive value.
Connecticut (Storrs)	: Agricultural : Economics	: Economic and social	: Intensive economic studies in se- : lected towns.
Delaware	: Chemistry	: Food and nutrition	: Study of factors affecting jellying : of fruits.
Idaho	: Agricultural : Chemistry	: Food and nutrition	: Iodine-content of Idaho-grown foods : in relation to prevalence of : goiter.
	: Agricultural : Engineering	: Household equipment	: Design and installation of farm : water systems.
Illinois	: Animal Husband- : ry	: Food and nutrition	: The nutritive value of the proteins : of feeding stuffs and the biologi- : cal values of the proteins.
	: Animal Husband- : ry	: Food and nutrition	: The relation of light to nutrition : (Indirectly applicable).
	: Dairy Husbandry	: Food and nutrition	: Study of the preparation of ferment- : ed milk drinks and their value from : a dietary and medicinal standpoint.

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Station	Station : department : conducting : the research	Phase of : home economics : concerned	Title of project
Indiana	:Dairy	:Food and nutrition	:The manufacture, chemistry, and : bacteriological study of ice cream. :Study of the growth and development : of suitable rats fed with and with- : out dairy products.
	:Home Economics	:Food and nutrition : and :Household equipment	:Studies in fuel consumption in the : preparation of meals by the use of : certain types of cookers.
Iowa	:Agricultural : Economics and : Farm Manage- : ment	:Economic and social	:Farm organization studies.
	:Animal husband- : ry	:Food and nutrition	:Meat investigations.
	:Chemistry and : Pomology	:Food and nutrition	:Chemical changes in the ripening and : storage of apples.
	:Dairy	:Food and nutrition	:Factors influencing the yield and : consistency of ice cream.
	:Rural Sociology	:Economic and social	:Farm cost of living and standard of : living studies. :Studies of villages and open country : relationships.
Kansas	:Chemistry	:Food and nutrition	:Studies of the chemical aspects of : certain milling processes.
	:Milling Indus- : try	:Food and nutrition	:Chemical and milling tests on wheat : produced in various agronomic : experiments and comparative chemi- : cal and milling behavior of Kanred : and other wheat varieties.
	:Dairy Husbandry : and Bacteriol- : ogy	:Food and nutrition	:Bacterial, mechanical, and temperature : factors in the manufacture and : storage of ice cream.
Kentucky	:Chemistry	:Food and nutrition	:To determine if manganese is an es- : sential element in animal : metabolism, with particular refer- : ence to vitamins.
	:Chemistry	:Food and nutrition	:To determine if manganese, copper, : and zinc are essential factors in : reproduction and metabolism.
	:Economics	:Economic and social	:Investigation of cooperative market- : ing and purchasing among farmers of : Kentucky. :The Farmers' standards of living.

Station	Station : department : conducting : the research	Phase of : home economics : concerned	Title of project
Michigan	:Agricultural : Engineering :Bacteriology :Bacteriology :Chemistry	:Household equipment :Food and nutrition :Clothing and : textiles :Food and nutrition	:Use of electricity on the farm. :Microbiology of food of man and : domestic animals. :Flax retting. :Analyses of Michigan wheat and flour.
Minnesota	:Agricultural : Biochemistry	:Food and nutrition	:Cereal and flour investigations : (transferred to flour mill). :Strength of wheat flour. :Chemical and biological studies in : animal nutrition. : (1) Factors influencing the vita- : min content of milk. : (2) Factors influencing the sta- : bility of vitamins in human : and animal foods. : (3) Studies on the chemical nature : of vitamins A and B. : (4) Studies on the quantitative : requirements of laboratory : animals for vitamins. : (5) Studies regarding the function : of vitamins in the animal body. :Chemistry of the formation and manu- : facture of dairy products and : factors influencing milk produc- : tion and the composition and : properties of milk. :Agricultural :Economic and social: : Economics :The organization of farmers' supply : : service. :Agricultural :Household equipment: : Engineering :Investigations of farm buildings. : :Heating and ventilating of homes. : :Utilization of electricity.

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Missouri	Agricultural	Food and nutrition	Protein storage in protoplasmic
	Chemistry		tissue,
	Animal Hus-	Food and nutrition	Relation of diet to bodily activity
	bandry		and the capacity to withstand un-
			favorable circumstances.
	Dairy Husband-	Food and nutrition	The effect of each ingredient on the
	ry		manufacture of ice cream.
	Home Economics	Food and nutrition	Psychology of child nutrition.
			Thrice cooked vegetables for diabetics.
			A nutrition problem with special re-
			ference to negro children.
			The effect of external temperature
			upon basal metabolism under usual
			conditions of dress.
			Selection and economic use of soap
			in the home.
	Home Economics	Clothing and	Color knowledge essential to costume
		textiles	and its practical application.
	Rural Life	Economic and social	Analyses of the Columbia trade area
			showing the influence of various
			economic factors on shape and size
			of the trade area.
			Standard of living on the farm as
			factor in cost of production.
			Movements of rural population in
			Missouri.
			A study of the rural primary groups
			of Boone Co.
Montana	Agronomy	Food and nutrition	Composition and quality of Montana
			wheats.
			Influence of climate upon baking
			quality of hard wheats.
	Agronomy and	Food and nutrition	Changes in wheat when frosted and
	Chemistry		their effect on baking quality.
Nebraska	Dairy	Food and nutrition	Studies of the principles of ice
			cream making.
	Chemistry	Food and nutrition	Relation of certain chemical and
			physical chemical characteristics
			of Nebraska wheat to its milling
			and baking quality.
	Dairy	Food and nutrition	Studies of fat-soluble A as present
			in milk of four dairy breeds.

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Station	Station department conducting the research	Phase of home economics concerned	Title of project
New York (Cornell)	Home Economics	Food and nutrition	An experimental study of the effect of various methods of canning carrots on their antiscorbutic properties. Experiments in feeding rats, using potatoes as basis of diet. Differences in antiscorbutic proper- ties of yellow compared with red tomatoes. Differences in vitamin A content of yellow and green beans. Studies on the keeping qualities of certain foods in household re- frigerators.
	Rural Education	Economic and social	Problems of rural school attendance. Guidance resources of rural communi- ties. Community activities in relation to teaching.
	Rural Social Organization	Economic and social	Village population and service agencies. Study of rural social organizations. Influence of sickness and death on the economic and social status of the family.
New York (State)	Dairying	Food and nutrition	Investigations in the manufacture of ice cream.
	Bacteriology	Food and nutrition	Tomato products investigation (cause of gaseous fermentation).
North Dakota	Milling	Food and nutrition	Effect of variety, soil, climatic conditions, and disease upon mill- ing and bread value and chemical composition of wheat. Effect of storage on milling and baking quality and chemical com- position of wheat. Durum wheat investigations.

Station	Station : department : conducting : the research	Phase of : home economics : concerned	Title of project
Oklahoma	:Not stated	:Economic and social	:General economic and social in- : vestigations.
Oregon	:Agricultural : Chemistry	:Food and nutrition	:Specific rôle of the inorganic : elements, potassium in particu- : lar.
	:Horticulture	:Food and nutrition	:Dehydration of fruits and vege- : tables.
			:Canning of Oregon-grown apples.
Pennsylvania	:Chemistry	:Food and nutrition	:Influence of commercial condensing : processes on vitamin content of : cow's milk.
	:Agricultural : Economics	:Economic and social	:Marketing survey of food products : in various counties in Pennsyl- : vania.
South Dakota	:Dairy	:Food and nutrition	:Influence of corn silage on the : vitamin C potency of milk.
Texas	:Animal Industry	:Clothing and tex- : tiles	:Determining the grades and shrink- : ages of Texas wool and mohair.
	:Farm and Ranch : Economics	:Economic and social	:Survey and analysis of rural church : conditions.
Utah	:Human Nutrition	:Food and nutrition	:Nutrition of infants. Relationship : of breed and individuality of : cows to curd characteristic of : milk.
	:Bacteriology : and Chemistry	:Food and nutrition	:Changes in flour on storage.
Vermont	:Animal husband- : ry	:Food and nutrition	:Nutritive value of milk, its suit- : ability for food for children and : animals, conditions which affect : its nutritive value, tolerance, : and related questions.
			:Work with small animals on protein : and maintenance needs.
	:Dairy Husbandry	:Food and nutrition	:Acidity of ice cream mix.

Station	Station department conducting the research	Phase of home economics concerned	Title of project
Virginia	Dairy Husbandry	Food and nutrition	Comparison of food value of milk of different grades.
	Agricultural Economics	Economic and social	Production, distribution, and mar- keting studies of food products for Roanoke City.
Washington	Chemistry	Food and nutrition	Nutritive value of wheat and wheat products.
West Vir- ginia	Agricultural Economics	Economic and social	Supply method of marketing and con- sumption of food in West Virginia cities and agricultural production in nearby territory.
Wisconsin	Agricultural Bacteriology	Food and nutrition	Factors concerned in coagulation of milk by heat.
	Agricultural Biochemistry	Food and nutrition	The effect of organic nutrients from single vs. mixed plant sources on the growth and reproduction of animals.
			Studies of the factors necessary in the maintenance of mammals, as vitamins, light, etc.
			Sources of vitamins in feed; the relation of pigments to animal nutrition; the stability of vita- mins and their relation to growth and reproduction.
	Agricultural Economics	Economic and social	Country life investigations: (1) A study of towns and villages as social and economic service stations.
			(2) A detailed study of seven Wis- consin small towns.
			(3) Rural religious organizations.
	Agricultural Engineering	Household equipment	Availability of electric power on the farm.
Wyoming	Wool	Textiles and cloth- ing	Studies of fleece and wool char- acters.

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